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DESCRIPTORS: *Cetacea, *Seals (Zoology), Heat
 transfer, Scattering.

Literature data indicate that the heat dissipation can
 proceed in cetaceans either by direct contact of the
 skin of the trunk and fins as well as the surface of the
 tongue, palate and bottom of mouth cavity with sur-
 rounding water or by the heating of inhaled air in the
 respiratory tract. Heat dissipation in pinnipeds is
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- II. CSIRO Trans-5473
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(USSR) 1959, v. [34] (64) no. 6, p. 5-21.
(Abstract available)

DESCRIPTORS: *Seals (Zoology), *Skin, Evolution,
Taxonomy, Hair, Aquatic animals.

The investigations dealing with the cutaneous integuments
in the pinnipedia published earlier are superficial and
incomplete (except the works belonging to Bergersen).
The present paper is devoted to the description of the
derma of various species of pinnipedia. Skin was
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